BRUHAT BANGALORE MAHANAGARA PALIKE

DASARAHALLI ZONE

Name of Work: Modified estimate for construction of Public sitting platform at Bagalagunte (Near Maramma Temple and Karekallu) in Bagalagunte ward No: 14,

			Est. Cost Rs				15.00	Lakhs	
Sl	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
1	Earth work Excavation for foundation of Buildings, water supply, sanitory lines and electrical conduits either in pits or in trenches 1.5m and above in width. In Hard soil not exceeding 1.5m in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead up to 50m after breaking of clods complete as per specification No: KBS 2.1(b)/2.3.5(it: 2.4, P-5) 2016-17								
	Near Maramma Temple	1	2	12.50	1.50	2.10	78.75	Cum	
		1	2	2.50	1.50	2.10	15.75		
	Top	1	1	2.50	9.00	0.10	2.25		
			Total Qty				96.75		
			Qty Executed upto 125%				42.75	299.00	12782.00
			Qty Executed Above 125%				54.00	296.69	16021.00
	Basic Rate	283.00							
	Add Area Weightage 6%	16.98							
	Total	299.98							
	TP 1.10 % below	3.29							
		296.69							
2	KSRB-4-1.3 : Providing and laying in position plain cement concrete of mix 1:4:8 with OPC cement @ 180kgs, with 40mm and down size graded granite metal coarse aggregates @ 0.85cum and fine aggregates @ 0.57cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation including cost all materials, labour, HOM of machinery, curing complete as per specifications.(Page No: 12 itNo:4.3) 2016-17								
	Near Maramma Temple	1	2	12.50	1.40	0.20	7.00	Cum	
		1	2	2.50	1.40	0.20	1.40		
	Flagging	1	1	13.70	1.60	0.15	3.28		
		1	1	4.00	0.90	0.15	0.54		
		1	1	4.30	0.90	0.15	0.58		
		1	1	7.30	0.70	0.15	0.76		
		1	1	2.50	1.00	0.15	0.37		
		1	1	13.70	0.60	0.15	1.23		
	Sanghada room	1	2	6.70	0.45	0.15	0.90		
	Top flooring	1	1	9.45	3.90	0.15	5.52		
							21.58		
	Deduct Tree Potion	1	2	1.80	1.50	0.15	0.81		
			Total Qty				20.77	5100.00	105927.00
3	Providing and laying flooring using prepolished, water cut/gang saw 19mm thick granite land over existing floor in CM 1:4 at 20mm thick (average) and pointed with white / gey pigment etc., complete using black granite/ Multy Red/ Ruby Red/ Black/ Hassan Green Granite of width not less than 900mm, Page No. 107/ Item No. 14.47.2 / PWD SR 2016-17.								

Scanned by CamScanner

	Flagging	1	1	13.70	1.60		21.92	Sqm	
		1	1	4.00	0.90		3.60		
		1	1	4.30	0.90		3.87		
		1	1	7.30	0.70		5.11		
		1	1	2.50	1.00		2.50		
		1	1	13.70	0.60		8.22		
				Total Qty			45.22	2400.00	108528.00
E-1	Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position,lapping and / or welding wherever required, tying with binding wire andanchoring to the adjoining members wherever necessary completeas per design (laps, hooks and wastage shall not be measured andpaid) cost of materials, labour, HOM of machinery complete as perspecifications. Specification No. KBS 4.6.3 TMT bars Fe 500 .Page No. 17/ Item No. 4.46.2 / PWD SR 2016-17.								
		48kg/cum of RCC Qty						Tonne	
	Basic Rate	60607.00		Total Qty			2.16	63536.75	137239.00
	Add Area Weightage 6%	3636.42							
	Total	64243.42							
	TP 1.10 % below	706.67							
		63536.75							
E-2	KSRB 4.2.7 : Providing and laying in position reinforced cement concrete of design mix M25 with OPC cement @ 340kgs, with 20mm cumand down size graded granite metal coarse aggregates @0.70cum andfine aggregtes @ 0.47cum, with superplastisiser @3lts confirming toIS9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layersnot exceeding 15 cms thick, vibrated for all works in ground floor levelfor roof slabs, staircase, lintels and beams retaining walls, returnwalls, walls (any thickness) including attached pilasters, columns,Unties, pillars, posts, struts, buttresses, string or lacing courses,parapets, coping, bed blocks, anchor blocks, plain window cills, fiHetsj*tc., including cost of all materials, labour, HOM of machinery, curing,complete but excluding cost of reinforcement as per specifications,specification No. KBS 4.t, 4.6 .Page No. 13/ Item No.4.12 of PWD SR 2016-17.								
	Footing							Cum	
		1	2	11.35	1.30	0.45	13.27		
		1	2	2.50	1.30	0.45	2.92		
	Wall								
		1	2	10.30	$\frac{.75+.45}{2}$	1.55	15.97		
		1	2	2.65	$\frac{.75+.45}{2}$	1.55	4.11		
	Top	1	1	9.50	3.10	0.15	4.41		
		2	4	2.10	0.20	0.30	1.00		
		2	4	2.10	0.20	0.30	0.75		
	Step						0.00		
		1	1	1.20	0.75	1.20	1.08		
		1	1	1.50	0.75	1.20	1.35		
	Sanghada room plat form								
		1	2	6.70	0.45	0.45	2.71		
							47.56		
	Deduct tree place	1	2	1.80	1.50	0.45	2.43		
				Total Qty			45.13	6674.79	301250.00
	Basic Rate	6367.00							
	Add Area Weightage 6%	382.02							
	Total	6749.02							

Scanned by CamScanner

	TP 1.10 % below	74.23								
		6674.79								
E-3	Providing and removing centering, shuttering, strutting,.propping etc., and removal of form work for vertical surface such as walls at any thickness, including attached1 pilasters, buttresses, plinth cilis andstring courses cost of all materials, labour complete as per specifications.Specification No. KBS 4.6.2 Page No. 15/ Item No.4.31 of PWD SR 2016-17.									
	Footing								Sqm	
		2	2	11.35		0.45	20.43			
		2	2	2.50		0.45	4.50			
	Wall									
		2	2	10.30		1.55	63.86			
		2	2	2.65		1.55	16.43			
		2	2	2.10		0.45	3.78			
		2	2	2.10		0.30	2.52			
		2	2	2.10		0.45	2.83			
		2	2	2.10		0.30	1.89			
	Step									
		1	2	1.20		1.20	2.88			
		1	1	0.75		1.20	0.90			
		1	1	1.50		1.20	1.80			
		1	5	0.75		0.15	0.56			
	Sanghada room plat form									
		1	2	6.70		0.45	6.03			
		1	2	0.45		0.45	0.40			
				Total Qty			128.81	307.17	39567.00	
	Basic Rate	293.00								
	Add Area Weightage 6%	17.58								
	Total	310.58								
	TP 1.10 % below	3.41								
		307.17								
E-4	Providing and laying Hassan Green granite flooring for staircase, treads and rises using pre polished 20 mm thick water cut green Granite slab laid over existing cement concrete bed in CM 1:3, average 20mm thick including full rounding fornosing , cutting 3 line grooves not more than 2 mm wide for antiskidding, curing etc.,, Page No. 107/ Item No.14.46 of PWD SR 2016-17.-									
	Landing	1	1	1.20	0.75		0.90	Sqm		
	Steps									
	Thread	1	10	0.75	0.30		2.25			
	Riser	1	12	0.75	0.15		1.35			
	Around tree									
		2	4	2.10	0.30		5.04			
		2	4	1.50	0.30		3.60			
	Top	1	1	10.45	4.05		42.32			
		1	2	10.45	0.30		6.27			
		1	2	3.40	0.30		2.04			
	Sanghada room plat form									
		1	2	6.70	0.50		6.70			
		2	2	0.50	0.50		1.00			
				Total Qty			71.47	6000.70	428870.00	
	Basic Rate	5724.00								
	Add Area Weightage 6%	343.44								
	Total	6067.44								
	TP 1.10 % below	66.74								

Scanned by CamScanner

		6000.70								
E-5	Providing and fixing of wall cladding using 20mm thick gang saw water cut Shiva gold granite, grey granite in CM 1:3 proportion cut to required shape, pattern with paper joints, finished with cement mortal using white cement and colour pigments to match the colour of slab making through jointing with sealant, making holes 25mmx12mm grooves in joints including curing etc.Page No. 108/ Item No. 14.49 / PWD SR 2016-17									
		1	2	10.10	1.20		24.24	Sqm		
		1	2	3.65	1.20		8.76			
				Total Qty			33.00	3697.50	122018.00	
	Basic Rate	3527.00								
	Add Area Weightage 6%	211.62								
	Total	3738.62								
	TP 1.10 % below	41.12								
		3697.50								
E-6	Providing full nosing for 40mm thick granite slab using required machinery including cost and conveyance of all materials, jabbur for all items of work, HOM of equipment etc., complete as per specification Page No. 108/ Item No. 14.53 / PWD SR 2016-17.									
		1	2	10.40			20.80	M		
		1	2	4.00			8.00			
				Total Qty			28.80	497.97	14342.00	
	Basic Rate	475.00								
	Add Area Weightage 6%	28.50								
	Total	503.50								
	TP 1.10 % below	5.53								
		497.97								
E-7	Providing full nosing for 20mm thick granite slab using required machinery including cost and conveyance of all materials, labour for all items of work, HOM of equipment etc., complete as per specification Page No. 108/ Item No. 14.55 / PWD SR 2016-17.									
		2	6	1.05			12.60	M		
		1	1	2.75			2.75			
		2	4	2.10			16.80			
		2	2	1.50			6.00			
				Total Qty			38.15	249.51	9519.00	
	Basic Rate	238.00								
	Add Area Weightage 6%	14.28								
	Total	252.28								
	TP 1.10 % below	2.77								
		249.51								
E-8	Providing and fixing stainless steel 304 grade for staircase railings, balconies, ramps, with hand rail, 50mm dia 16 guage hollow pipe welded to vertical hollow 50mm dia pipe of 16 guage, stainless steel vertical pipe spaced at 1.20m regular intervals, and 5 Nos of 25mm dia. Stainless steel hollow horizontal pipe are welded to vertical 50mm dia hollow pipe. The entire assembly is fixed to staircase concrete by using expansion bolts by drilling concrete etc., complete including cost of materials, labour, HOM of machineries and electrical charges, etc., complete as per specifications. Page No. 43/ Item No. 7.38 of PWD SR 2016-17.									
		1	1	28.60		0.90	25.74	Cum		
		1	1	5.20		0.90	4.68			
				Total Qty			30.42	6444.15	196031.00	
	Basic Rate	6147.00								
	Add Area Weightage 6%	368.82								

Scanned by CamScanner

	Total	6515.82							
	TP 1.10 % below	71.67							
		6444.15							
E-9	Disposal of debris to the final place of disposal with all lead and lift and as direction by the engineer in charge of the work, lead 4 Km a) Basic rate for haulage of materials as per item No. 17.4/KSRRB : M100-4.1 ..... Rs. 2.50 Tonne/Km b) Average earth of work 1.28 Tonne/Km for Rs. 2.00/Km c) Add loading and unloading Page No. 133 Item No. 17.1 PWD SR 2015-16								
		Cum						Cum	
			Qty Vide Item No. 1				96.75	79.92	7732.00
	loading & unloading	68							
	Lead 4 KMs 2.5x1.28x4	12.80							
		80.80							
	Total	80.80							
	Deduct TP.1.1% below	0.88							
		79.92							174
10	Miscellaneous and UnforessenCharges								
								Total Rs	1500000.00
	(Rupees. Fifteen Lakhs only)								

CERTIFICATE:-

1 The Work spot has been inspected and the work is found to be necessary
2 The modified Estimate is prepared as per the PW,P & IWTD -SR-2016-17, issue rates and schedule- B rates
3 The Provision made in estimate are adequate and essential.
4 This area comes under BBMP limits.

Assistant Engineer
Ward-14

Assistant Executive Engineer
T. Dasarahalli Sub-Division
B.B.M.P

Executive Engineer
Dasarahalli Division
B.B.M.P. Bangalore.

ನಂ. EE/PDTS/82/16-17 ದಿನಾಂಕ: 10.01.17
ರೂ (Rs. 15.00 Lakh) Rs. Fifteen Lakh only
ಗಳ ಅಂದಾಜು ಪಟ್ಟಿಗೆ ತಾತ್ಕಾಲಿಕ ಮಂಜೂರಾತಿ ನೀಡಿದೆ

ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಬಿ.ಬಿ.ಎಂ.ಪಿ ದಾಸರಹಳ್ಳಿ ವಿಭಾಗ
ದಾಸರಹಳ್ಳಿ ವಲಯ, ಬೆಂಗಳೂರು

Scanned by CamScanner